

Serial No.: 09/702,512
Examiner: Djenane M. Bayard

REMARKS

Claims 1 through 53 were previously canceled. Claims 54 through 71 were previously added.

Rejections under 35 U.S.C. 102

The final Office Action rejected claims 66 through 71 under 35 U.S.C. 103(a) as being anticipated by U.S. application No. 2002/0102999 to Maggenti et al (the Maggenti reference) in view of U.S. Patent No. 6,243,758 to Okanou (the Okanou reference). However, the Okanou reference and the Maggenti reference fail to teach or suggest the requirements of the claims for the following reasons.

Independent Claim 54 and dependent claims 55 through 65

The Maggenti reference fails to teach or suggest the requirements, *inter alia*, of claim 54, of, "transmitting an agent advertisement message from a foreign agent in a foreign domain to be broadcast in the foreign domain, wherein the agent advertisement message includes a network access identifier extension that indicates a capability of the foreign agent to support source specific multicast services for multicasting IP messages." The Maggenti reference nowhere discloses multicast service for multicasting IP messages. The Maggenti reference discloses a wireless push to talk feature. The Office Action cites page 13, paragraph 0180 of the Maggenti reference for disclosing this feature. However, this paragraph discusses a push to talk (PTT) message and its fields. There appears to be no relation or discussion of IP multicasting or any type of agent advertisement message to indicate capability of a foreign agent to support specific multicast services.

The Maggenti reference also fails to teach or suggest the requirements, *inter alia*, of claim 54, of "receiving by a base station router in the foreign domain a mobile IP registration request from a mobile node entering the coverage area of the base station router, wherein the mobile IP registration request includes a request by the mobile node to access the foreign domain and a multicast flag to indicate a request for source specific multicast services." The Maggenti reference nowhere discloses multicast service for multicasting IP messages. The Maggenti reference discloses a wireless push to talk feature. There appears no discussion of a mobile IP

Serial No.: 09/702,512
Examiner: Djenane M. Bayard

registration request that includes a request by the mobile node to access a foreign domain and a multicast flag to indicate a request for source specific multicast services.

The Maggenti reference also fails to teach or suggest the requirements, *inter alia*, of claim 54, of, "if the home agent supports simple multicast extensions for multicasting IP messages, allocating a source specific multicast address to the mobile node and appending the source specific multicast address in a source specific multicast address extension to a mobile IP registration reply." The Maggenti reference nowhere discloses multicast service for multicasting IP messages. The Maggenti reference discloses a wireless push to talk feature. There seems to be no relation or discussion of allocating a source specific multicast address to the mobile node and appending the source specific multicast address in a source specific multicast address extension to a mobile IP registration reply.

The Okanou reference fails to add to the teachings of the Maggenti reference to meet the requirements of the claims. The Okanou references fails to teach or suggest the requirement, *inter alia*, of claim 54, "if the home agent supports simple multicast extensions for multicasting IP messages, allocating a source specific multicast address to the mobile node and appending the source specific multicast address in a source specific multicast address extension to a mobile IP registration reply." The Okanou reference states at column 4, lines 20 through 30 that when a home agent receives a message from the foreign agent of the foreign agent's network address and informing the home agent of the visiting mobile host, "the home agents tells the foreign agent to proceed." Nowhere does this description provide that the home agent allocates a source specific multicast address to the mobile node and appends the source specific multicast address to the mobile IP registration reply to the mobile node.

Furthermore, the Okanou reference fails to teach or suggest the requirement, *inter alia*, of claim 54 of, "transmitting an agent advertisement message from a foreign agent in a foreign domain to be broadcast in the foreign domain, wherein the agent advertisement message includes a network access identifier extension that indicates a capability of the foreign agent to support source specific multicast services for multicasting IP messages." At column 4, lines 14 through 15, the Okanou reference states that the foreign agent broadcasts a packet announcing its existence and address. There is no description that the agent advertisement messages include a

Serial No.: 09/702,512
Examiner: Djenane M. Bayard

network access identifier extension that indicates a capability of the foreign agent to support source specific multicast services for multicasting IP messages.

The combination of the Maggenti reference and the Okanoué reference fail to meet the standard presented by MPEP § 2143 which requires that the combined prior art references must teach or suggest all the claim limitations to establish a prima facie case of obviousness. As explained above, neither reference teaches or suggests multiple claim limitations.

Independent Claim 66 and dependent claims 67 through 71

The Maggenti reference fails to teach or suggest the requirements, *inter alia*, of claim 66 of, "determining by the mobile node from the network access identifier extension to the agent advertisement message that the mobile node has not entered a new foreign domain but has entered into coverage area of a new foreign agent within the same foreign domain; and transmitting a multicast subscription request with an authentication extension to the new foreign agent in response to entering coverage area of the new foreign agent within the same foreign domain, wherein the multicast subscription request includes address of the home agent for the mobile node and address of each correspondent that has received a binding update message from the home agent." The Maggenti reference nowhere discloses a multicast subscription request for multicasting IP messages. The Maggenti reference discloses a wireless push to talk feature. The Office Action cites page 13, paragraph 0180 of the Maggenti reference for disclosing this feature. However, this paragraph discusses a push to talk (PTT) message and its fields. There appears to be no relation or discussion of IP multicasting or any type multicast subscription requests for multicast services.

The Okanoué reference also fails to teach or suggest the requirements, *inter alia*, of claim 66 of, "determining by the mobile node from the network access identifier extension to the agent advertisement message that the mobile node has not entered a new foreign domain but has entered into coverage area of a new foreign agent within the same foreign domain; and transmitting a multicast subscription request with an authentication extension to the new foreign agent in response to entering coverage area of the new foreign agent within the same foreign domain, wherein the multicast subscription request includes address of the home agent for the mobile node and address of each correspondent that has received a binding update message from

Serial No.: 09/702,512
Examiner: Djenane M. Bayard

the home agent." The Okanoué reference merely states at column 4, lines 13 through 21, that when it detects that it is on a foreign network, the mobile host registers with the foreign agent, giving its home address, current data link layer address and some security information. There is no discussion of determining from a network access identifier whether the mobile node has entered into a new foreign network or just within coverage area of a new foreign agent within the same foreign network. There is also no discussion of transmission of a multicast subscription request in response to entering coverage area of the new foreign agent within the same foreign domain.

Serial No.: 09/702,512
Examiner: Djenane M. Bayard

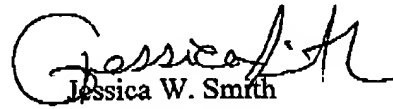
CONCLUSION

For the above reasons, the foregoing amendment places the Application in condition for allowance. Therefore, it is respectfully requested that the rejection of the claims be withdrawn and full allowance granted. Should the Examiner have any further comments or suggestions, please contact Jessica Smith at (972) 477-9109.

Respectfully submitted,

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